Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/13/2022 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124381	-1	1.87	124298	1.81
Blue	F	SSC	125000	122964	-2	3.45	123414	3.15
Blue	E	FITC	13602	13140	-4	2.55	368	13.74
Blue	D	PE	24891	24433	-2	1.96	579	10.17
Blue	B	PerCP-Cy5-5	33972	32944	-4	3.17	940	14.56
Blue	A	PE-Cy7	22865	22604	-2	5.07	470	29.56
Red	C	APC	47198	46906	-1	2.58	1621	11.27
Red	A	APC-Cy7	26454	25803	-3	3.19	730	12.15
Violet	B	V450	6737	6405	-5	3.85	446	11.59
Violet	A	V500	29317	27752	-6	3.37	950	8.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23853	3.00	558	23	N/A	N/A	Pass
Blue	F	SSC	55420	2.37	516	-5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	0	0.0401	42	Pass
Blue	D	PE	112	37.53	487	1	0.4359	289	Pass
Blue	B	PerCP-Cy5-5	147	41.34	579	0	0.0213	101	Pass
Blue	A	PE-Cy7	79	76.78	622	1	0.0239	2	Pass
Red	C	APC	338	25.67	574	2	0.0295	211	Pass
Red	A	APC-Cy7	135	34.11	551	0	0.0065	1197	Pass
Violet	B	V450	76	47.36	445	-5	0.0555	2261	Pass
Violet	A	V500	112	34.97	464	-5	0.0240	1398	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.10	-32.02	1.06
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.42
Red	16.31	13.90 - 20.86	N/A	N/A	30.40	30.65	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10727

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments